

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Supply & Pollution Control Division - Biology Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: POSSA NISSEN POND	Lake Area (ha):	8.09
Town: HILLSBOROUGH	Maximum depth (m):	---
County: Hillsborough	Mean depth (m):	---
River Basin: Merrimack	Volume (m ³):	---
Latitude: 43°08'43" N	Relative depth:	---
Longitude: 71°59'26" W	Shore configuration:	---
Elevation (ft): 925	Areal water load (m/yr):	---
Shore length (m): ---	Flushing rate (yr ⁻¹):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	natural w/dam

BIOLOGICAL:

30 June 1994

DOM. PHYTOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100 ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic volume (m³):

CHEMICAL:

Lake: POSSA NISSEN POND

Town: HILLSBOROUGH

30 June 1994

DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 1994

D.O. S.D. PLANT CHL TOTAL CLASS

--	--	--	--	--	--

COMMENTS:

1. This pond was visited but not surveyed. It was determined to be private and is now listed as such in DES' Clean Lakes database.
2. This is unnamed on the 1987 (& earlier) USGS quad. map. It is located on Shedd Brook approximately 1.5 miles northwest of Hillsborough Upper Village. Camp Hillsborough, a private, for profit summer juvenile camp, is located on the pond and controls access to the pond.